

AMSAT Weekly Satellite Report
Issue: WSR-169
Date: 2007-06-18
Sources: amsat-ans-2007-wsr-169.txt

This report is organized into FIVE parts.
Part 1 (S1) - operational analog amateur satellites
Part 2 (S2) - operational digital amateur satellites
Part 3 (S3) - non - operational satellites
Part 4 (S4) - proposed satellites
Part 5 (S5) - deborbited/returned satellites

SB SAT @ AMSAT W8ISS ANS-169.S1
WSR 169 Part 1 06/18/2007

AMSAT NEWS SERVICE BULLETIN 169.S1 FROM AMSAT HQ
SILVER SPRING, MD, June 18, 2007
TO ALL RADIO AMATEURS
BID: \$ANS-169.S1

V0-52 HAMSAT
Catalog number: 28650
Launch Date: May 05,2005

Status: Operational
Current Mode: U/V - Indian Transponder

Frequencies:
Indian Transponder:
Uplink: 435.220 to 435.280 MHz LSB/CW
Downlink: 145.870 to 145.930 MHz USB/CW

Dutch Transponder:
Uplink: 435.225 to 435.275 MHz LSB/CW
Downlink: 145.875 to 145.925 MHz USB/CW

Indian Beacon: 145.859330 MHz CW
Dutch Beacon: 145.860 MHz 12WPM with CW message

Mode and Antenna Polarization:
V: LHCP
U: RHCP

Official Webpage: <http://www.amsat.in/hamsat.htm>

To know what transponder is switched on please listen for the beacon
that is
active. Each transponder has a different beacon.
[10022006]

=====
A0-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004

Status: Voice Repeater
Telemetry Downlink

Current Modes: FM Repeater - V/U
 L/U
 PBBS - OFF
 Digipeater - OFF
 Telemetry - /U

Analog voice downlink: 435.300 MHz FM
 435.150 MHz FM
 2401.200 Mhz FM
Analog voice uplink: 145.880 MHz FM
 145.880 MHz USB
 145.920 MHz FM
 1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM 38k4 Digital, PBP, 1 watt output
 435.150 MHz FM 9k6 Digital, Pacsat Broadcast
Protocol
 2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM 9k6 Digital, Pacsat Broadcast
Protocol
 1268.700 mhz FM 9k6 PBP Digital
Beacon: 435.150 MHz

Mode and Antenna Polarization:

T: Linear

V: Linear

U: TX A (usually digital) LHCP

TX B (usually analog) RHCP

L: Linear

S: Linear

Broadcast: PECHO-11

BBS: PECHO-12

Official Webpage: [http://www.amsat.org/amsat-new/echo/\[06182007\]](http://www.amsat.org/amsat-new/echo/[06182007])

=====

S0-50 SAUDISAT-1C

Catalog number: 27607

Launched: December 20, 2002

Status: Operational.

Current Mode: V/U

Uplink: 145.850 MHz FM - 67.0 Hz PL tone

Downlink: 436.795 MHz

Mode and Antenna Polarization:

V: Linear

U: Linear

Official Webpage: <http://saudisat.kacst.edu.sa/index.shtml>
(not up and running currently)

To switch the transmitter on, you need to send a CTCSS tone of 74.4 Hz.
The order of operation is thus: (allow for Doppler as necessary):

1) Transmit on 145.850 MHz with a tone of 74.4 Hz to arm the 10 minute timer

on board the spacecraft.

2) Now transmit on 145.850 MHz (FM Voice) using 67.0 Hz to PT the repeater on

and off within the 10 Minute window.

3) Sending the 74.4 tone again within the 10 minute window will reset the 10

minute timer.

[05282007]

=====

A0-27 AMRAD

Catalog number: 22825

Launched: September 26, 1993

Status: Operational

Current Mode: V/U

Uplink: 145.850 MHz FM

Downlink: 436.795 MHz FM

Mode and Antenna Polarization:

V: Linear

U: Linear

Official Webpage: <http://www.ao27.org>

[05282007]

=====

A0-7 AMSAT OSCAR 7

Catalog number: 07530

Launch Date: November 15, 1974

Status: Operational depending on amount of Sunlight

Current Mode: Listen before transmitting

Uplink: 145.850 to 145.950 MHz CW/USB Mode A

432.125 to 432.175 MHz CW/LSB Mode B

Downlink: 29.400 to 29.500 MHz CW/USB Mode A (1W PEP)

145.975 to 145.925 MHz CW/USB Mode B (8W PEP)

145.975 to 145.925 MHz CW/USB Mode C (2W PEP)

Beacons: 29.502 MHz CW

145.972 MHz CW

435.100 MHz CW

2304.100 MHz CW

Official Webpage:

http://www.amsat.org/amsat-new/satellites/sat_summary/ao7.php

The A0-7 Logbook and Resource Website:

<http://www.planetemily.com/ao7/>

A0-7 Usage Guidelines on the A0-7 Log and Resource Site located at:

<http://www.planetemily.com/ao7>

[05282007]

=====

INTERNATIONAL SPACE STATION (ISS) - ARISS

Catalog number: 25544

Launch date: November 20, 1998

Status: Operational

Current Mode: Occasional Voice/Packet/Digipeater

Expedition 15 crew:

Commander: Fyodor Yurchikhin RN3FI

Flight Engineer: Clayton C. Anderson

Flight Engineer: Oleg Kotov

STS-117 Crew:

Mission Commander: Frederick Sturckow

Shuttle Pilot: Lee Archambault

Flight Engineer: Sunita Williams KD5PLB

Mission Specialist: James Reilly II

Steven Swanson

Patrick Forrester

John D. Olivas

Available Modes and Frequencies:

Digital/APRS:

Worldwide packet uplink: 145.990 MHz FM

Worldwide packet downlink: 145.800 MHz FM

Voice:

Region 1 voice uplink: 145.200 MHz FM

Region 2/3 voice uplink: 144.490 MHz FM

Worldwide downlink: 145.800 MHz FM

SSTV TESTING:

Worldwide Reported Downlink: 145.800 MHz FM

Crossband Repeater:

Repeater Uplink: 437.800 MHz FM

Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:

V: Linear

U: Linear

Callsigns:

German: DP0ISS

Russian: RS0ISS

RZ3DZR

USA: NA1ISS

Packet Mailbox: RS0ISS-11

Packet Keyboard: RS0ISS-3

Digipeater callsign: ARISS

Official ARISS Webpage: <http://www.rac.ca/ariss>

ISS Fan Club Webpage: <http://www.issfanclub.com>

APRS tracking page: <http://www.ariss.net/>

ISS Daily Crew Schedule: <http://spaceflight.nasa.gov/station/timelines/>

Remember that the crew operates on UTC time. Also, all of the time line is

NOT translated from Russian and posted.

[06182007]

NNNN

/EX

SB SAT @ AMSAT W8ISS \$ANS-169.S2

WSR 169 Part 2 06/18/2007

AMSAT NEWS SERVICE BULLETIN 169.S2 FROM AMSAT HQ

SILVER SPRING, MD, June 18, 2007

TO ALL RADIO AMATEURS

BID: \$ANS-169.S2

CAPE1

Catalog Number:

Launch Date: April 17,2007

Status: In Orbit

Downlink: 435.245 MHz 9600 bs FSK AX.25

[04232007]

=====

CP3

Catalog Number:

Launch Date: April 17,2007

Status: In Orbit

Downlink: 436.845 MHz 1200 bps FSK AX.25
[04232007]

=====

CP4

Catalog Number:

Launch Date: April 17, 2007

Status: In Orbit

Downlink: 437.325 MHz 1200 bps FSK AX.25
[04232007]

=====

Libertad-1

Catalog Number:

Launch Date: April 17, 2007

Status: In Orbit

Downlink: 437.405 MHz 1200 bps AFSK AX.25
[04232007]

=====

P0-63 PEHUENSAT-1

Catalog Number: 29712

Launch Date: January 10, 2007

Status: In Orbit

Uplink/Downlink: 145.825 Mhz FM
Voice Recorder: 145.825 Mhz FM
[02052007]

=====

?0-?? FCAL

Catalog Number: 29667

Launch Date: December 21, 2006

Status: In Orbit

Downlink: 437.385 Mhz APRS AX25

Downlink ID: KD4HB0

Website: <http://eng.usna.navy.mil/~bruninga/fcal.html>
[02262007]

=====

N0-61 ANDE

Catalog Number: 29664

Launch Date: December 21, 2006

Status: In Orbit

Uplink/Downlink: 145.825 Mhz FM APRS AX25
[01222007]

=====

GENESAT-1 ?0-??

Catalog Number: 29655

Launch Date: December 16, 2006

Status: Operational

Telemetry Beacon Downlink: 437.0670 MHz AFSK 1200 BPS

Official webpage: <http://www.crestnnp.org/genesat1/ahc.html>
[01082007]

=====

H0-59 HITSat
Catalog number: 29484
Launch date: September 22, 2006

Status: Operational

Telemetry Downlink: 437.4250 MHz AFSK 1200 BPS
Beacon: 437.2750 MHz CW

Callsign: JR8YJT
[10302006]

=====

C0-58 CubeSat XI-V
Catalog number: 28895
Launch Date: October 27, 2005

Status: Operational - CW Beacon only

Telemetry Downlink: 437.4250 MHz AFSK 1200bps using AFK protocol
Beacon: 437.2750 MHz CW

Callsign: JQ1YGW

Official Webpage: <http://www.space.t.u-tokyo.ac.jp/cubesat/mission/V/>

Pictures received by Mineo Wakita - JE9PEL:
<http://www.ne.jp/asahi/hamradio/je9pel/>
[03262007]

=====

C0-57 CubeSat XI-IV
Catalog number: 27848
Launched: June 30, 2003

Status: Operational

Beacon: 436.8475 MHz CW
Telemetry : 437.4900 MHz AFSK 1200 BPS

Callsign: JQ1YGW

Official Webpage: <http://www.space.t.u-tokyo.ac.jp/cubesat/mission/V/>
[01082007]

=====

C0-56 CUTE-1.7 + APD
Catalog number: 28941
Launched: February 21, 2006

Status: Semi-Operational - Constant Carrier only

Uplink: 1268.5000 MHz GMSK 9600 BPS
Downlink: 437.4700 MHz 1200 FM ax25 or SPLL (ACTIVE only near Japan ?)

Telemetry Beacon: 437.3850 CW
Callsign: JQ1YPC

Information webpage:
<http://lss.mes.titech.ac.jp/ssp/spacerium/cutelblog/>
[01082007]

=====

A0-51 ECHO
Catalog number: 28375

Launch date: June 29, 2004

Status: Voice Repeater
Telemetry Downlink

Current Mode(s): FM Repeater - V/U
 L/U
 PBBS - OFF
 Digipeater - OFF
 Telemetry - /U

Analog voice downlink: 435.300 MHz FM
 435.150 MHz FM
 2401.200 Mhz FM

Analog voice uplink: 145.880 MHz FM
 145.880 MHz USB
 145.920 MHz FM
 1268.700 MHz FM 67Hz PL tone

Digital Downlinks: 435.150 MHz FM 38k4 Digital, PBP, 1 watt output
 435.150 MHz FM 9k6 Digital, Pacsat Broadcast

Protocol

 2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM 9k6 Digital, Pacsat Broadcast
Protocol

 1268.700 mhz FM 9k6 PBP Digital
Beacon: 435.150 MHz

Mode and Antenna Polarization:

T: Linear

V: Linear

U: TX A (usually digital) LHCP

TX B (usually analog) RHCP

L: Linear

S: Linear

Broadcast: PECHO-11

BBS: PECHO-12

Official Webpage: <http://www.amsat.org/amsat-new/echo/>
[06182007]

=====

N0-44 PCSAT

Catalog number: 26931

Launch Date: September 30, 2001

Status: Operational only in Full Sun Light

Current Mode: V

General Usage Uplink/Downlink: 145.827 MHz 1200 Baud
Special Usage Downlink: 144.390 Mhz 1200 Baud

PCSAT APRS page: <http://pcsat.aprs.org>

aprstlm Telemetry Decoder program:
<http://www.xciv.org/~iain/aprstlm/v1.2/>
[05282007]

=====

U0-11 OSCAR-11

Catalog number: 14781

Launched: March 1, 1984

Status: Semi-operational.

Current Mode: Telemetry Downlink - 2M

Telemetry Downlink: 145.826 MHz FM 1200 AFSK
Mode-S Beacon: 2401.500 MHz - OFF
UHFBacon: 435.025 MHz - OFF

Mode and Antenna Polarization:

V: RHCP

S: LHCP

Due to solar eclipses which will continue until late August 2007, the beacon will only transmit for about one orbit every 21 days. It is unlikely to be heard during this period.

Webpage: <http://www.users.zetnet.co.uk/clivew/>
MPEG3 files: <http://www.ne.jp/asahi/hamradio/je9pel/uo11tlme.htm>
[05282007]

=====

INTERNATIONAL SPACE STATION (ISS) - ARISS

Catalog number: 25544

Launch date: November 20, 1998

Status: Operational

Current Mode: Occasional Voice/Packet/Digipeater

Expedition 15 crew:

Commander:	Fyodor Yurchikhin	RN3FI
Flight Engineer:	Clayton C. Anderson	
Flight Engineer:	Oleg Kotov	

STS-117 Crew:

Mission Commander:	Frederick Sturckow	
Shuttle Pilot:	Lee Archambault	
Flight Engineer:	Sunita Williams	KD5PLB
Mission Specialist:	James Reilly II	
	Steven Swanson	
	Patrick Forrester	
	John D. Olivas	

Available Modes and Frequencies:

Digital/APRS:

Worldwide packet uplink: 145.990 MHz FM

Worldwide packet downlink: 145.800 MHz FM

Voice:

Region 1 voice uplink: 145.200 MHz FM

Region 2/3 voice uplink: 144.490 MHz FM

Worldwide downlink: 145.800 MHz FM

SSTV TESTING:

Worldwide Reported Downlink: 145.800 MHz FM

Crossband Repeater:

Repeater Uplink: 437.800 MHz FM

Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:

V: Linear

U: Linear

Callsigns:

German: DP0ISS
Russian: RS0ISS
RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official ARISS Webpage: <http://www.rac.ca/ariss>
ISS Fan Club Webpage: <http://www.issfanclub.com>
APRS tracking page: <http://www.ariss.net/>

ISS Daily Crew Schedule: <http://spaceflight.nasa.gov/station/timelines/>
Remember that the crew operates on UTC time. Also, all of the time line is

NOT translated from Russian and posted.

[06182007]

NNNN

/EX

SB SAT @ AMSAT W8ISS \$ANS-169.S3
WSR 169 Part 3 06/18/2007

AMSAT NEWS SERVICE BULLETIN 169.S3 FROM AMSAT HQ
SILVER SPRING, MD, June 18, 2007
TO ALL RADIO AMATEURS
BID: \$ANS-169.S3

THE FOLLOWING ARE IN ORBIT BUT ARE NON-OPERATIONAL AT THIS TIME:

NCUBE-2

Catalog number: 28897

Launch Date: October 27, 2005

Status: Still attached to X0-53 (SSETI)?

Proposed Callsign: TBA

Proposed Transmit Frequency: 437.305
2407.250

Official Website: <http://www.ncube.no>
[05012006]

=====

X0-53 SSETI

Catalog number: 28894

Launch Date: October 27, 2005

Status: Non-operational

Voice Uplink: 437.250 MHz FM 67Hz CTCSS

Voice Downlink: 2401.835 MHz FM

Packet Up/Downlink: 437.250 MHz 9k6 packet

Packet Downlink 2401.835 MHz 38k4 packet

Official webpage: <http://sseti.gte.tuwien.ac.at/WSW4/>
Latest news: <http://sseti.gte.tuwien.ac.at/WSW4/MOPWS/news.php>
[01222007]

=====

A0-49 AATiS OSCAR-49 (SAFIR-M)

Catalog number: 27605

Launch Date: December 20, 2002

Status: Non-operational.

Uplink: 435.275 MHz 1200-baud AFSK
Downlink: 145.825 MHz 9600-baud FSK
(optional voice message)
Broadcast callsign: DP0AIS

Official webpage: <http://amend.gmxhome.de>
[01222007]

=====

M0-46 TIUNGSAT-1
Catalog number: 26548
Launched: September 26, 2000

Status: Operational

Uplinks: 145.850 MHz
145.925 MHz 9600-baud FSK
Downlink: 437.325 MHz

Broadcast callsign: MYSAT3-11
BBS: MYSAT3-12

TiungSat-1 is Malaysia's first micro-satellite and in addition to commercial land and weather imaging payloads offers FM and FSK Amateur Radio communication.

TiungSat-1, named after the mynah bird of Malaysia, was developed as a collaborative effort between the Malaysian government and Surrey Satellite Technology Ltd.
[01222007]

=====

N0-45 SAPPHIRE
Catalog number: 26932
Launch Date: September 30, 2001

Status: Non-Operational

Downlink: 437.095 MHz 1200 baud AX-25 AFSK
Uplink: 145.945 MHz UI Digipeater
Digi Callsign: KE6QMD

Everyone is welcome to use the digipeating/APRS features of Sapphire, call-sign KE6QMD, as per the user service agreement located at the following URL:
<http://web.usna.navy.mil/~bruninga/pcsat/contract.txt>
[03132005]

=====

S0-42 SAUDISAT-1B
Catalog number: 26549
Launched: September 26, 2000

Status: Non-Operational

Downlink: 437.075 MHz

Broadcast Callsign: SASAT2-11
BBS: SASAT2-12

Further information is available at:
<http://www.amsat.org/amsat/sats/n7hpr/so42.html>
[01222007]

=====

S0-41 SAUDISAT-1A
Catalog number: 26545
Launch Date: September 26, 2000

Status: Non-Operational

Uplink: 145.850 MHz
Downlink: 436.775 MHz

Broadcast Callsign: SASAT1-11
BBS: SASAT1-12

Further information is available at:
<http://www.amsat.org/amsat/sats/n7hpr/so41.html>
[01222007]

=====

A0-40 AMSAT OSCAR 40
Catalog number: 26609
Launch Date: November 16, 2000

Status: Non-Operational

Uplinks

V-band: 145.840 - 145.990 MHz CW/LSB
U-band: 435.550 - 435.800 MHz CW/LSB
L1-band: 1269.250 - 1269.500 MHz CW/LSB
L2-band: 1268.325 - 1268.575 MHz CW/LSB

Downlinks

S2-band: 2401.225 - 2401.475 MHz CW/USB
K-band: 24048.010 - 24048.060 MHz CW/USB
Beacon: 2401.323 MHz
24048.035 MHz

[01222007]

=====

U0-36 UoSAT-12
Catalog number: 25693
Launched: April 21, 1999

Status: Unknown

Uplink: 145.960 MHz (9600-baud FSK)
Downlinks: 437.025 MHz
437.400 MHz

Broadcast Callsign: U0121-11
BBS: U0121-12

The VK5HI viewer shareware for U0-36 is available on the AMSAT-NA web
site
at the following URL:
<ftp://ftp.amsat.org/amsat/software/win32/display/ccddsp97-119.zip>
[01222007]

=====

S0-35 SUNSAT
Catalog Number: ?
Launched: February 23, 1999

Status: Non-Operational

Downlink: Mode B Repeater: 436.291 MHz

Mode J Digipeater: 436.250 MHz

Uplinks: Mode B Repeater: 145.825 MHz

Mode J Digipeater: 145.825 MHz

145.900 MHz

For more information of SUNSAT vist the satellite web site:

<http://esl.ee.sun.ac.za/projects/sunsat/>

[01222007]

=====

P0-34 PANSAT

Catalog number: 25520

Launched: October 30, 1998

Status: Telemetry downloads only

Uplink/downlink: 436.500 MHz

Official Webpage: <http://www.sp.nps.navy.mil/pansat/>

[05092004]

=====

S0-33 SEDSAT-1

Catalog number: 25509

Launched: October 24, 1998

Status: Semi-operational

Downlink: 437.910 MHz FM (9600-baud FSK)

The satellite is not currently available for uplink transmissions and the image and transponder recovery efforts have been unsuccessful.

For more information on SedSat-1 visit the satellite web site:

<http://seds.uah.edu/projects/sedsat/sedsat.htm>

[09042006]

=====

T0-31 TMSAT-1

Catalog number: 25396

Launch Date: July 10, 1998

Status: Non-operational

Uplink: 145.925 MHz 9600 baud FSK

Downlink: 436.925 MHz 9600 baud FSK

Broadcast callsign: TMSAT1-11

BBS: TMSAT1-12

[05012006]

=====

G0-32 Gurwin TechSat-1B

Catalog number: 25397

Launch Date: July 10, 1998

Status: Reloading of BBS software

Current Mode: V/U

L/U

Downlink: 435.225 MHz FM (9600-baud FSK)

435.325 Mhz - Not Available - temperature problems

Uplinks: 145.850 FM

145.890 FM

145.930 FM

1269.700 FM

1269.800 FM
1269.900 FM

Broadcast Callsign: 4XTECH-11
BBS Callsign: 4XTECH-12

More information of G0-32 can be found at:
<http://www.iarc.org/techsat/techsat.html>
[06112007]

=====

A0-16 PACSAT
Catalog number: 20439
Launch Date: January 22, 1990

Status: Reported non-operational

Current Mode: V/U
Digipeater - Authorized for APRS usage

Uplink: 145.900 MHz FM 1200-baud Manchester FSK
145.920 MHz FM 1200-baud Manchester FSK
145.940 MHz FM 1200-baud Manchester FSK
145.960 MHz FM 1200-baud Manchester FSK
Downlink: 437.026 MHz SSB 1200-baud PSK
Mode-S Beacon: 2401.1428 MHz

Mode and Antenna Polarization:
U: RC 437.050 MHz RHCP
PSK 437.025 MHz LHCP
V: Linear

Broadcast Callsign: PACSAT-11
BBS: PACSAT-12

A0-16 AMSAT Webpage: <http://www.amsat.org/amsat/sats/n7hpr/ao16.html>
[06112007]

=====

F0-29 JAS-2
Catalog number: 24278
Launch Date: August 17, 1996

Status: Non-Operational

Voice/CW Mode JA
Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795 MHz

Digital Mode JD
Uplinks: 145.850 MHz FM
145.870 MHz FM
145.910 MHz FM
Downlink: 435.910 MHz 1200-baud BPSK or 9600-baud FSK
Callsign: 8J1JCS
Digitaler: 435.910 MHz

Mode and Antenna Polarization:
V: RHCP
U: RHCP

JARL English webpage: http://www.jarl.or.jp/English/5_Fuji/ejasmenu.htm
AMSAT-NA Webpage:
<http://www.amsat.org/amsat-new/satellites/satInfo.php?satID=5&retURL=/satellites/status.php>

Mineo Wakita, JE9PEL, has created a simple decoder program for F029's CW telemetry downlink: <http://www.ne.jp/asahi/hamradio/je9pel/fo29cwts.htm> [04302007]

=====

P0-28 POSAT-1

Catalog number: 22829

Launch Date: September 25, 1993

Status: Operational - Not open for Amateur use

Downlink: 429.950

Uplink: Not until handover back to Amateur usage

Broadcast callsign: POSAT1-11

BBS callsign: POSAT1-12

AMSAT Webpage: <http://www.amsat.org/amsat/sats/n7hpr/po28.html>

POSAT-1 webpage:

<http://www.ee.surrey.ac.uk/SSC/CSER/UOSAT/missions/posat1.html> [01012006]

=====

I0-26 ITAMSAT

Catalog number: 22826

Launch Date: September 26, 1993

Status: Downlink only

Uplinks: 145.875 MHz FM 1200-baud

145.900 MHz FM 1200-baud

145.925 MHz FM 1200-baud

145.950 MHz FM 1200-baud

Downlink: 435.808 MHz PSK

Broadcast Callsign: ITMSAT-11

BBS: ITMSAT-12

Official webpage: <http://www.itamsat.org>

AMSAT Webpage: <http://www.amsat.org/amsat/sats/n7hpr/io26.html> [012212007]

=====

K0-25 KITSAT

Catalog number: 22828

Launched: September 26, 1993

Status: Non-operational

Uplink: 145.980 MHz FM 9600-baud FSK

Downlink: 436.500 MHz FM

Broadcast Callsign: HL02-11

BBS: HL02-12

[05092004]

=====

K0-23 KITSAT

Catalog number: 22077

Launched: August 10, 1992

Status: Non-operational

Uplink: 145.900 MHz FM (9600-baud FSK)

Downlink: 435.170 MHz FM

Broadcast Callsign: HL01-11
BBS: HL01-12
[01222007]

=====

U0-22 UOSAT
Catalog number: 21575
Launched: July 17, 1991

Status: Non-Operational

Uplink: 145.900 FM 9600-baud FSK
Downlink: 435.120 MHz FM

Broadcast Callsign: UOSAT5-11
BBS: UOSAT5-12
[01222007]

=====

A0-21 AMSAT-OSCAR 21
Catalog Number: 21087
Launch Date: January 29, 1991

Status: Operational

Uplink: 435.041 MHz FM DSP
Downlink: 145.983 MHz FM DSP
[01222007]

=====

F0-20 JAS-1b
Catalog number: 20480
Launch Date: February 07, 1990

Status: Non-Operational

Beacons: 435.795 MHz CW
435.910 MHz AX25

Voice Transponder:
Uplink: 145.900 to 146.000 MHz CW/LSB
Downlink: 435.800 to 435.900 MHz CW/USB

Digital Transponder:
Uplinks: 145.850 MHz
145.870 MHz
145.890 MHz
145.910 MHz
Downlink: 435.910 MHz

More F0-20 info can be found at:
<http://www.amsat.org/amsat/sats/n7hpr/fo20.html>
[01152007]

=====

L0-19 LUSAT
Catalog number: 20442
Launched: January 22, 1990

Status: CW Beacon only

Uplinks: 145.840 MHz 1200-baud Manchester FSK
145.860 MHz 1200-baud Manchester FSK
145.880 MHz 1200-baud Manchester FSK
145.900 MHz 1200-baud Manchester FSK

CW downlink: 437.125 MHz

Digital downlink: 437.150 MHz SSB (RC-BPSK 1200-baud PSK)

Broadcast Callsign: LUSAT-11
BBS: LUSAT-12o

General information and telemetry samples can be found at:
www.telecable.es/personales/ea1bcu
[01222007]

=====

W0-18 WEBERSAT
Catalog Number: 20441
Launch Date: January 22, 1990

Status: Non-Operational

Downlink: 437.104 MHz SSB 1200 Baud PSK AX.25
[05012006]

=====

D0-17 Dove
Catalog Number: 20440
Launch Date: January 22, 1990

Status: Non-operational.

Downlink: 145.825 MHz FM 1200 Baud AFSK
Beacon: 2401.220 MHz
[05012006]

=====

U0-14 UoSAT-3
Catalog number: 20437
Launched: January 22, 1990

Status: Non-operational

Uplink: 145.975 MHz FM
Downlink: 435.070 MHz FM
[05092004]

=====

F0-12 Fuji-OSCAR 12
Catalog Number: 16909
Launch Date: August 12, 1986

Status: Non-Operational

Mode V/U (J) Linear Transponder (Inverting): Non-Operational

Uplink: 145.9000 - 146.0000 MHz SSB/CW
Downlink 435.8000 - 435.9000 MHz SSB/CW

Mode V/U (J) Packet: Non-Operational

Uplink: 145.8500 MHz MFSK 1200 BPS
Uplink: 145.8700 MHz MFSK 1200 BPS
Uplink: 145.8900 MHz MFSK 1200 BPS
Uplink: 145.9100 MHz MFSK 1200 BPS

Downlink 435.9100 MHz PSK 1200 BPS

Telemetry Beacon: 435.7950 MHz SSB/CW
[01152007]

=====

A0-10 OSCAR 10
Catalog number: 14129
Launch Date: June 16, 1983

Status: Non-operational

Uplink: 435.030 to 435.180 MHz CW/LSB
Downlink: 145.975 to 145.825 MHz CW/USB

Beacon: 145.810 MHz (unmodulated carrier)

W4SM has more information about the satellite at the following URL:
<http://www.cstone.net/~w4sm/A0-10.html>
[05092004]

=====

A0-8 AMSAT-OSCAR 8
Catalog Number: 10703
Launch Date: March 3, 1978

Status: Non-Operational

Mode V/U (J) Linear Transponder (Non-Inverting): Non-Operational
Uplink: 145.9000 - 146.0000 MHz SSB/CW
Downlink 435.1990 - 435.2000 MHz SSB/CW

Mode V/U (J) TLM Beacon: Non-Operational
Downlink 435.0950 MHz CW

Mode V/A (A) Linear Transponder (Non-Inverting): Non-Operational
Uplink: 145.8500 - 145.9000 MHz SSB/CW
Downlink 29.4000 - 29.5000 MHz SSB/CW

Mode V/A (A) TLM Beacon: Non-Operational
Downlink 29.4020 MHz CW
[01152007]

=====

A0-6 AMSAT-OSCAR 6
Catalog Number: 06236
Launch Date: October 15, 1972

Status: Non-Operational

Uplink: 145.9000 - 146.0000 MHz SSB/CW
Downlink: 29.4500 - 29.5500 MHz SSB/CW
[01152007]

=====

A0-5 Australis-OSCAR 5
Catalog Number: 04321
Launch Date: January 23, 1970

Status: Non-Operational

Telemetry Beacons: 144.0500 MHz CW
29.4500 MHz CW
[01152007]

=====

OSCAR III
Catalog Number: 01293
Launch Date: March 09, 1965

Status: Non-Operational

Uplink: 145.9750 - 146.0250 MHz SSB/CW
Downlink: 144.3250 - 144.3750 MHz SSB/CW
[01012007]

=====

RS-15 RADIO SPORT RS-15
Catalog number: 23439
Launch Date: December 26, 1994

Status: Non-operational

Uplink: 145.858 to 145.898 MHz CW/USB

Downlink: 29.354 to 29.394 MHz CW/USB

Beacon: 29.352 MHz (intermittent)

SSB meeting frequency: 29.380 MHz (unofficial)
[06202004]

=====

RS-13 RADIO SPORT RS-13

Catalog number: 21089

Launched: February 5, 1991

Status: Non-operational

Uplink: 21.260 to 21.300 MHz CW/USB

Downlink: 145.860 to 145.900 MHz CW/USB

Beacon: 145.860 MHz

Robot: 145.908 MHz

[05232004]

=====

RS-12 RADIO SPORT RS-12

Catalog number: 21089

Launched: February 5, 1991

Status: Non-operational

Uplink: 21.210 to 21.250 MHz CW/USB

Downlink: 29.410 to 29.450 MHz CW/USB

Beacon: 29.408 MHz

Robot: 29.454 MHz

[05232004]

NNNN

/EX

SB SAT @ AMSAT W8ISS \$ANS-169.S4

WSR 169 Part 4 06/18/2007

AMSAT NEWS SERVICE BULLETIN 169.S4 FROM AMSAT HQ

SILVER SPRING, MD, June 18, 2007

TO ALL RADIO AMATEURS

BID: \$ANS-169.S4

THE FOLLOWING SATELLITES ARE NOT IN ORBIT BUT ARE PROPOSED FOR LAUNCH AT
THIS TIME:

Phase 5a Mars Mission

Catalog Number:

Proposed Launch Date: 2009 or 2011

Status: Design Phase

For the latest project status update please visit the AMSAT-DL P5-A web
page:

<http://ticket-to-mars.org>

[01222007]

=====

PHASE 3E A0-??

Catalog number:
Proposed Launch Date: Late 2007

Status: Under Construction

For the latest project status update please visit the AMSAT-DL P3-E web page:

<http://www.amsat-dl.org/p3e/>
[01222007]

=====

Eagle A0-??
Catalog Number:
Proposed Launch Date: Early/Mid 2009

Status: Design Phase

For the latest project status updates please visit the AMSAT-NA webpage:
<http://www.amsat.org>

[01222007]

NNNN

/EX

SB SAT @ AMSAT W8ISS \$ANS-169.S5
WSR 169 Part 5 06/18/2007

AMSAT NEWS SERVICE BULLETIN 169.S5 FROM AMSAT HQ
SILVER SPRING, MD, June 18, 2007
TO ALL RADIO AMATEURS
BID: \$ANS-169.S5

THE FOLLOWING SATELLITES HAVE DE-ORBITED OR HAVE BEEN RETURNED TO THE GROUND:

N0-60 RAFT-1
Catalog Number: 29661
Launch Date: December 21, 2006

Status: Re-Entered
Re-entered: May 30, 2007

Main Downlink: 145.825 Mhz FM APRS AX25
APRS Uplink: 145.825 MHz FM APRS AX25
Voice/PSK31 Uplink: 28.120 MHz

Packet to Voice ID: RAFT
[06112007]
/EX

ANS is released worldwide via the AMSAT ANS e-mail reflector and a live radiocast on the AMSAT-NA 20-meter net held each Sunday on 14.282 MHz. Pre-net operations start at 18:00 UTC, with current ANS bulletins transmitted to the eastern U.S. at 19:00 UTC and to the western U.S. at 19:30 UTC.

Information on AMSAT-NA is available at the following URL:
<http://www.amsat.org>

Mailing address:
AMSAT-NA
850 Sligo Avenue, Suite 600
Silver Spring, Maryland 20910-4703

Voice: 301-589-6062
888-322-6728

FAX: 301-608-3410

Currently, AMSAT-NA supports the following (free) mailing lists:

- * AMSAT News Service (ANS)
- * General satellite discussion (AMSAT-BB)
- * Orbit data (KEPS)
- * Manned space missions (SAREX)
- * District of Columbia area (AMSAT-DC)
- * New England area (AMSAT-NE)
- * AMSAT Educational Liaison mailing list (AMSAT-EDU)
- * AMSAT K-12 Educational Liaison mailing list (AMSAT-K12)

A daily digest version is available for each list.

To subscribe, or for more list information, visit the following URL:
<http://www.amsat.org/mailman/listinfo/ans>

In addition to regular membership, AMSAT-NA offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT-NA Office.

This week's Weekly Satellite Report Editor is James French, W8ISS.

ANS is always dedicated to past ANS editor 'BJ' Arts, WT0N, and to the memory of longtime AMSAT supporters Werner Haas, DJ5KQ, Dennis Kitchen, G0FCL and John Branegan GM4IHJ.

Please send any amateur satellite news or reports to:
ans-editor@amsat.org

NNNN
/EX